QC-8036 Motion Activated Outdoor Camera

User Manual

This motion activated camera has been designed for wide range applications such as Animal trail, Hunting trial, Home security, Warehouse monitoring as a surveillance device. It can be triggered by any movement of live animals or human in a location, detected by a highly sensitive Passive Infra-Red (PIR) motion sensor, and take a capture instantly within a very short time. It is built-in with a 7M pixels high-resolution digital camera with many benefits of advanced features and newest technology for maximize your scouting efforts and easy operation. To help achieve this, the controls are divided into two sections, Digital Camera Control section and Motion Sensor Control section. Setting and operating for the digital camera is similar to operate as many traditional digital cameras that you are already familiar with. The 2.4' color screen on top allows you to view pictures in the field and program for many camera options. Another small LCD on the lower displays all scouting settings directly and monitor the current scouting status, event counts, as well as battery life. Push buttons on upper portion are used for operation of camera options, other buttons in lower portion are used corresponding to each scouting setting change individually. Two battery supply system can able to retain all scouting parameters for a very long time even camera power is dead in the field. It is ideal for no longer to worry about lost any parameters setting during either bank of battery are bad or replacement.

1 Features:

- Taking Up to 7 Mp high quality pictures and up to 90 seconds VGA video clip with sound.
- 1.3 second Fast Capturing Time when a motion is sensed at FAST mode.
- Voice Memo recording
- Date and Time Stamp on each picture
- Built-In 2.4 inch Color Screen for field viewing
- Two modes for extending long battery life and Turbo snap mode (Fast shot)
- 32 Mb internal flash memory
- Card Slot support up to standard 2GB SD card (not included)
- Takes up to 3,700 3MP pictures or 5,100 10 seconds Videos with a 2GB SD card (not included)
- Motion detect activity selection: DAY – NIGHT – 24 HOUR
- Video length option: 3 ~ 90 seconds.
- TV output support NTSC and PAL TV
- USB port for downloading images to computer and firmware upgrade
- Powerful Infra-Red flash to take monochrome clear picture and video at night within 50 feet.
- Separated LCD screens and keys to simplify setting for camera and motion sensor controls
- Pause setting options: 0,1,3,5,10,20,30,60,90 minutes
- Quick Shot mode allow for more detections up to 3 pictures.
- Max 999 events counter display
- Separate Icons for Battery of Motion sensor and Camera
- Radar Animation for Motion Sensor ON- activity status
- Memory Full Display
- Video mode Display
- Walk-Test light for Distance and setup mode
- Dial for adjusting sensitivity of motion sensor
- Back light for scouting LCD viewing.
- Separated battery system for Camera (D cell x 4pcs) and Motion sensor (C Cell x3pcs) (not included)

1.1 Contents:

- USB A to USB B Cable
- AV Cable
- Camera Driver CD
- Mounting Belt
- Lens Hood

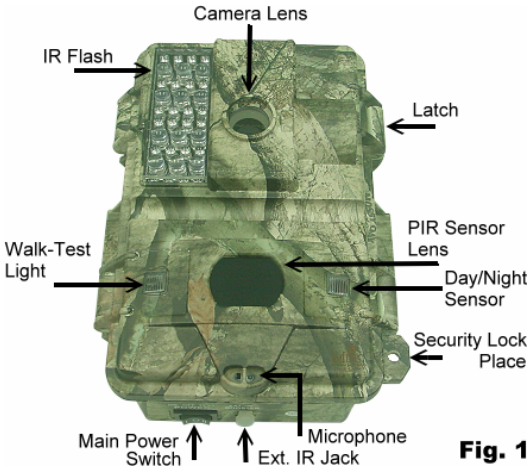


Fig. 1

2 QUICK VIEW

Carefully read this instruction manual before operating device.

2-1 Installation

1. Remove the Steel security bar and open the front door by pulling up the two latches on the side of the cabinet. Push the Main Power Switch to OFF (Center). See Fig.1
2. Install 3 pcs C type Alkaline batteries (not included) into the battery compartment on the right for Motion sensor to work.
3. Install 4 pcs D type Alkaline batteries (not included) to the compartment on the left for Digital Camera operation.
4. Insert a SD card (not included) if you wish to take more pictures or video clips. Be careful to insert the SD card according to direction shown on the card and the printing on the inner panel. 32M internal Flash memory will able to store around 80 frame 1.3Mp images only. Before replacing a SD card, be sure the PW switch is already at OFF position in order to avoid the data in the card might be flushed.
5. Remove the protective sheets from the IR lens; Camera lens and PIR (motion sensor) Fresnel lens.

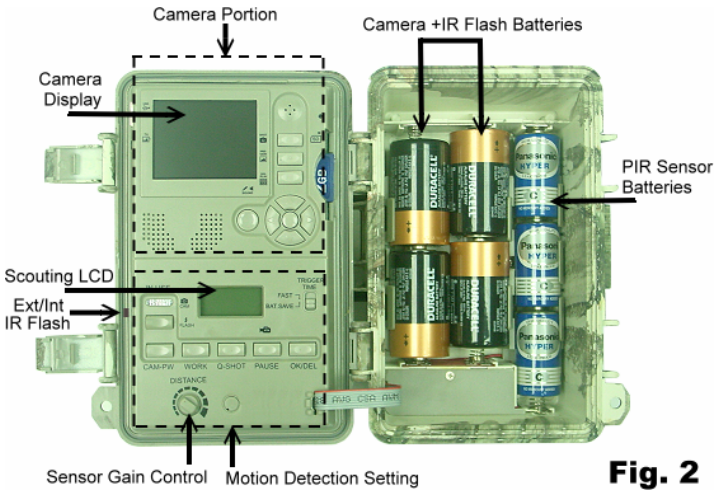


Fig. 2

2-2 Quick Start

An easy way below to tell you step by step for getting a quick start with the motion activated Camera, it will run under the **factory default** if you do not change any parameters. When the device does exit from setting mode or no key-in since PW ON, it will goes to the scouting operation mode automatically after 30 seconds. That means when an animal or human is detected, an event will be

recorded and the camera will shot immediately. The event counter will be renewed at once.

1. Determine to use internal flash memory or insert a SD card (not included) for a storage media. Since a SD card is used, all pictures will be saved in it automatically without a further setting. Regarding a SD card usage, skip to view a description in the paragraph below for **"Using a SD Card"**
2. Push the main power switch which is allocated in the bottom of cabinet to ON
3. Set date and time to update the Current time. (See the paragraph below for "***Date and time Setting")***
4. Choose either Picture or Video as your desired capturing mode.(See the paragraph below for "***Still Picture / Video Mode"***)
5. Optional to set other parameters of scouting if you expect to do. And then exit the setting mode after finished. (See more paragraphs about the setting of ***3. ADVANCED OPERATION with User's Setting***)
6. Slide the IR Flash switch to INT. (Internal IR flash selected)
7. Turn the sensor gain (sensitivity) control to the Max.
8. Mount the unit on a steady tree around 0.5-1 meter height that point to the zone which you wish to monitor.
9. Push the main PW switch to TEST and walk in front of motion sensor in order to verify how much distance and a zone you will be detected according to the flashing walk-test light .
10. Push PW back to ON and leave. Now the scouting camera will be ready to work after 30 seconds of warm-up time.

CAUTION: Before left, be sure to double check the latches if the door is closed completely and the rubber stopper is staying on the Ext-IR Port if there is no an external IR to be used.

Please Note: Some IR extenders may not work

2-4 Factory Default Settings:
For Camera: Capture for Single Picture /Auto Exposure / 3M pixels resolution / Quality =Normal / Stamp =ON / Language = English / TV =NTSC / Download =MSDC

For Motion detection: Pause= 1 minute / Quick-Shot =1 / Trigger Time = PW-Save / Work Duty = 24 HRs
It is suggested to customize your settings if you are an experience user.

3 ADVANCED OPERATION with User's Setting
Every times you want to change for a new setting during a normal scouting operation, you must switch OFF the main Power and back ON. While switch the main PW to ON, the lower LCD shows the current settings and the upper color screen is always OFF. Now you can able to program with your desired parameters instead of the system default for motion sensing operation.
Caution: All keys will be no function temporarily if an event is being processing. If you switch OFF for the main PW at any time, the camera will wait for the current event to be done and goes to OFF later.

Setting for Motion Sensor Operation (PIR Sensor)

3-1 Select ON DUTY for Day, Night or 24 hours period
The **WORK** button is pressed once to enter the 24 HOUR > NIGHT > DAY options, the 24 Hrs(Clock icon) icons will remain blinking. Press again to move the blinking icon to the SUN, once more will move it to the Moon. Press the OK/DEL key on the right to accept the desired icon and then it become stable. The **Clock** icon is represented for motion detection will be active day and night. The **SUN** is represented for day working only. The **MOON** is represented for Night working only. During the sensor does active period, (ON Duty is effective), a Radar icon will run with animation to show the device can sense any motion in this time.

3-2 Select for Quick Shot
Quick Shot option allows for more images to be taken if **additional motions may be detected** after the 1st image and the camera will not shut down to be ready for more instant shots. You can choose 1~3 images in order to take a group animals passing-by. "1" is the default that only one picture to be taken and then goes to PAUSE time. "2" or "3" will re-arm the sensor for taking the second and third picture if more animals are following. **(Example of use: On a trail when you want to take one more picture what is following the first young deer. Like a smart buck, it always walk at the last).** A time-out of each shot is around 20 seconds. The system will goes to Pause mode after a total number of events according to Quick-Shot setting are done or time-out.

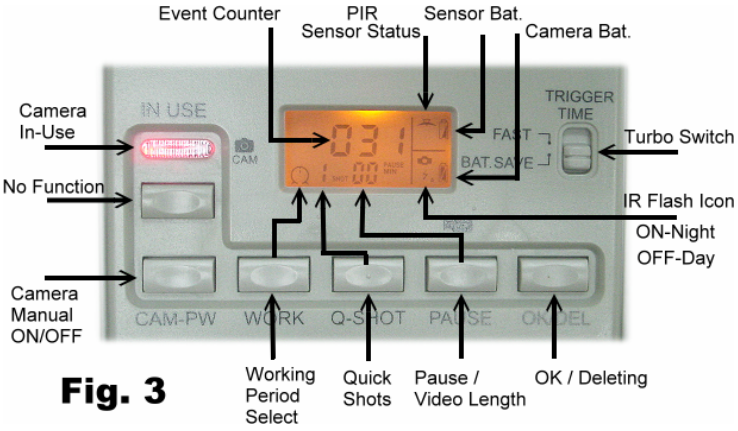


Fig. 3

3-3 Pause Time
This is a time lapse between the motion sensor does able to detect event again after the previous event. The sensor will not work within the time lapse. You can select 01, 03, 05, 10, 20, 30, 45, 60, 00 minutes for a PAUSE option. Press the PAUSE button once to enter for setting, The default 01 will be blinking. Press again to change it until the desired choice appears. Press OK/DEL on right to accept it.

3-4 Change Movie Length
The PAUSE key is shared for two functions. One is explained as above. The second option will let you define how long to take each video. There are 3, 5, 10, 20, 30, 45, 60, 90 seconds of video length to be selected. To do this, press and hold the PAUSE key for 3 seconds, a blinking video camera icon will appear and enter for video length setting. Then press PAUSE repeatedly until your desired **Length** appears**.** Confirm the updated change by the OK/DEL key.
Caution: You must also select VIDEO option in the camera setting when you wish to enable video taking mode. Otherwise, the device still does take pictures.

3-5 OK/DEL
It is a key for shared with two functions. Any time you have done for programming of the WORK, Q-SHOT and PAUSE / Video Length, just press the OK/DEL key to accept a new change. On the other hand, press and hold it with 3 seconds, it perform the CLEAR function that all event counts on the lower LCD will be renewed for [000]. But it is not effect to any image or video contents in the camera memory

3-6 Event Counter
The event counter are included three digits in the center of the lower LCD to let you know how many motion records that up to 999 events for a trail history. If you want to renew the counter anytime, simply to press and hold the OK/DEL button until LCD become blinking, then it will resume to [000]
Caution: The camera will keep going to capture continually even the scouting event counter is already reach to [999]. Also, the event counter will keep going to renew in case the memory on camera are full.

3-7 Battery Icon
Two icons are for difference battery banks. The Bat-icon on the upper right corner is represented for motion sensor power. The second on the lower is for camera and IR flash power. All Bat-icons will indicate three status as below:
GOOD: Battery Icon show with solid.
LOW: Battery Icon is half blank.
BAD: Battery icon is totally blank. In this case, the Lighting Flash icon will be also disappear. It does alert that you must replace them with new batteries immediately. Camera will not work at night under this battery bad condition.
Caution: If you notice one of a bank is bad, you just have to replace all batteries with blank new completely against the corresponding battery bank. Do not try to replace some of them only. But two battery banks are independent to each other in the system. So you do not need to replace for the other battery bank. Normally, the batteries for PIR sensor will last more than 4-6 months if the battery quality is good. After replaced either battery bank, remember to re-boot the device by the main PW switch.

OPERATION MODES
This is a mode switch in the bottom of cabinet. There are three modes to be selected under difference operation.
3-8 PW-ON Mode
The camera will be always required working under this mode. Since the PW-SW is pushed to ON mode, the motion sensor will begin to warms up for 1 minute, then start to detect motion for taking pictures/ Video.

3-9 PW-OFF Mode
Slide the PW to the center position to turn the system power OFF. All pictures and current settings will be retained at this mode and internal real time clock will still run.
Caution: Remember to remove all batteries in case you will no longer to use it in order to avoid the metal terminals to be oxidized due to the leakage current from battery itself.

3-10 WALK-TEST Mode / Sensitivity Adjustment
Walk-Test Mode is used to verify the detection range and pointing zone before placing it in the field. After mounted the unit on a tree, push the PW switch to **Walk-TEST**. The Walk-Test LED will light up last 1 minute to warm up. A radar animation icon with TEST alert is remaining blinking during Walk-Test mode. Then, Walk-Test Light will goes off and will alert with 3 times flashing once you will be detected in front of the device. Now you try to go far away to check how long the PIR motion sensor will still see you. The camera does not take any picture during this test process.
Note: The system will resume to normal Scouting **ON DUTY** mode automatically after 3 minutes (Time-Out) since no longer detection of walk-test to be triggered in order to avoid user might forget to push the PW switch back to ON before he left.
Sensitivity Adjustment
The **DISTANCE** dial on inner panel is used for adjusting sensitivity of the motion sensor (Gain Control). By turning the dial to the right, sensor sensitivity is set to the Max to detect animal over 15m away. You may reduce the detection distance for taking picture with a larger animal target.
Caution: It is recommended to set **MAX** in warmer environment like in the summer time.

3-11 Walk-Test LED+ DC In-Use Indicator
Both lights will be ON during the first minute of Walk-Test mode warm-up and Camera setting mode. They will blink for 3 times once a walk-test motion is detected.
In the PIR scouting setting mode, an instant flash is response to each valid key input.

3-12 Turbo Shot

There is switch knob on the right of the scouting LCD. Slide the **Trigger Time** switch to FAST mode, the DC will be set for the fastest speed for shooting. In this mode, capture speed will be 1.3 second that double faster than the setting in the BAT-Save while a motion is detected. Setting of BAT_SAVE will be ideal for extending battery life. In case you expect to resume the FAST mode to be Bat-Save, slide the knob for BAT-SAVE and then reboot the Device.

Caution: During the FAST mode is activated, you will not be able to turn on the camera by pressing CAM-PW key except rebooting the device.

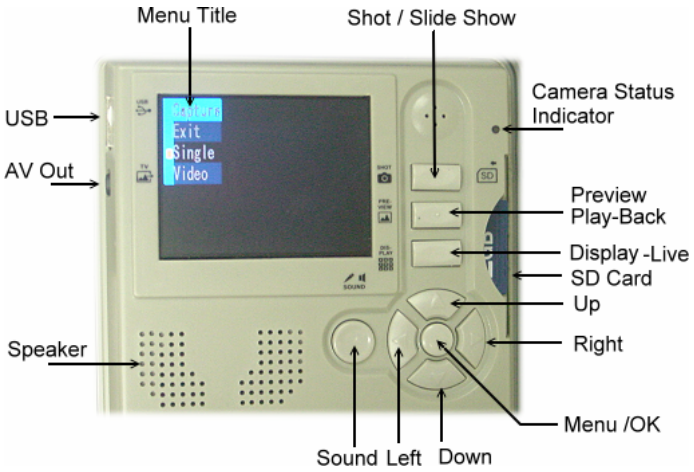
3-13 Day / Night Exchange Status

A sensor will sense an environment of Day / Night exchange to control the camera to take a colorful picture at day and monochrome picture at night time automatically. At a transition of exchanging, an animation "F" is moving in the scouting LCD. The motion sensor will not be triggered at this period. When it sense a night time, the inhibited symbol of the IR Flash icon on the scouting LCD will disappear.

Setting for CAMERA / Operation

3-13 Description for Camera Operation Keys which are in the upper portion of the inner panel

SHOT
PREVIEW
DISPLAY
MENU (**OK** Key in Center)
Navigation Keys
UP/DOWN/LEFT/RIGHT
SOUND



3-14 CAM-PW (Camera Power Button)

This button is located on the left of the lower portion.

Before a programming for the camera, be sure the Main Power switch at ON position. There are two modes that called **LIVE VIEW and PREVIEW** for camera OPERATION. Once you press CAM-PW to turn on the Camera, it works at the default of the LIVE VIEW. Both the IN-USE and Walk-Test LED are lighted. The camera status small light on the top right corner will alerts with red light for 2 seconds to show camera is PW ON already. But camera screen is remaining black until either DISPLAY or PREVIEW key is pressed. In either mode, you can change a setting of camera, preview pictures, take a picture manually, download pictures to PC. When you did finish using the camera, remember to turn the camera OFF by pressing the CAM-PW switch again.

Caution: During camera ON period, motion sensor will stop sensing until CAM-PW is turned to OFF.

3-15 Navigator Keys / Menu Button Usage:

Four directional keys represent for the **Left / Right / Up / Down keys.** The center knob is the **MENU** button. All camera settings will be programmed with them. Press the MENU to display the option title of modes. Select a title that you wish to change by pressing the left or right navigator key. Highlight your choice from a pull down list of the displaying title by the Up or Down Key. Press the MENU to accept the change and exit.

3-16 Camera Setting Menu

There are three main menus for each modes:

A. Live View Mode
B. Preview Mode
C. Voice Memo Mode

Both Live View and Preview menu come with difference titles which are described as below:

A. Live View Mode

A-1 Display key:

Since camera is ON, it always work at the Live View Mode even the screen being OFF which is a default setting. Press DISPLAY to turn ON the screen and then touch it time by time to change for difference functions. For Example: Turn ON screen > Remove information from screen > turn screen OFF repeatedly.

With the Live display mode, it is used for a manual shot or change setting of camera parameters like selecting picture /video mode; resolution; image quality; calendar stamp; firmware upgrade.

A-2 Taking a Photo/ Video Manually

SHOT key :

Push it once to take a picture any time while camera is ON whatever the screen is ON or OFF. For taking a video clip, press SHOT to start taking, a stop watch counter will work and press again to stop.

A-3 Change Camera Capture Setting

Since camera is ON, press MENU key to enter the camera capture setting menu that consist of 7 titles. . All of the Title / Items scrolling in the setting menu one by one are explained below:

1. Capture Mode
   a. Exit
   b. Single (Take Picture)
   c. Video (Take Movie)

2. Resolution
   a. Exit
   b. High 7 M 3072x2304
   c. Normal 3 M 2048x1536
   d. Basic 2 M 1600x1200
   e. Low 1.3M 1280x1024

3. Quality
   a. Exit
   b. High
   c. Normal

4. Date / Time
   a. Exit
   b. Set
   c. Stamp ON/OFF (A Choice for calendar showing on each image)

5. TV out
   a. Exit
   b. NTSC 60Hz (Default setting, Used in North America)
   c. PAL 50Hz

6. Language
   a. English
   b. French

7. Bright-ISO
   a. Exit
   b. Auto (No selection for user here)

A-4 CAPTURE Mode

A-4-1 Single (Picture)

The system default setting is **Single** Still Picture Mode for capturing colorful images at day and monochrome images at night. Once the motion sensor does detect a motion, camera will snap it into the memory. Scouting EVENT counter will renew the reading after each event.

A-4-2 Video Mode

Move the highlight to Video and press MENU key, now the **VIDEO** mode is selected. The unit will take video clips day or night. Since a 1st event is recorded, a video-cam icon will appear in the lower scouting LCD showing that you are in video mode.

In case you would switch back for **Single** Picture mode, it is required to restart the camera and turn ON camera by pressing CAM-PW, then highlight the SINGLE from **Capture Title**.

Important: If the unit detects the camera battery bank becoming too weak and a blank battery icon appear, camera will stop taking pictures or videos at night time. But it can still take day time pictures or video.

A-4-3 Resolution

You can choose a desired mega pixels from 1.3Mp / 2Mp / 3Mp / 7Mp by UP and DOWN key.

A-4-4 Quality

This option is defined the JPEG file compression. High means an image file will be larger under better quality of image.

A-4-5 Date and Time Setting

Since it is the first time using the camera, it is required to update with your local time. In either of modes since CAM-PW power ON, press the MENU key to view the camera setting menu. Then Press Right key to find Date /Time titles. Highlight "SET" by using the DOWN key. Push the center "MENU" button to display the Calendar and move the cursor staying at the desired item by RIGHT or LEFT button and change them with the UP or Down until to finish. Press Menu to accept with YES.

Caution: The calendar is shown in military fashion with 24 hour format. Example: 2:00 pm will be shown as 14:00.00. (Hour: Minute: Second)

Stamp ON/OFF

Toggle the Stamp option ON/OFF to show whatever the calendar on all images or not. But this feature will be disable in video mode.

B. PREVIEW Mode

It is the mode either for Previewing photos and videos from the viewing screen or connecting to a TV with an attached cable.

B-1 Preview key:

Every times you want to view images on the color screen or TV set during a scouting mode, you must switch OFF the main Power and back ON and then press CAM-PW. While camera is ON and press PREVIEW key, Camera will be switched to Preview mode at once and show the last image. It is also a toggle button let you skip between Live View and Preview mode. During in Preview mode, the DISPLAY key become for skipping Full View of an image > Clean screen > >Thumbnail pictures.

You have two ways to enjoy the images /videos.

B-1-1.View Image/ Video by Screen

Since press PREVIEW, screen will always show a full screen of the last shot. Use the left or right key to view other previous or next image. If you expect to view 9 pictures a time, press DISPLAY for a thumbnail screen. See more images by pressing Left / Right key. Then enlarge it by pressing DISPLAY again.

B-1-2.View Image /Video with TV

The unit is equipped with a TV-out port that allow you to connect to TV at home with an attached cable. The RCA yellow end is plugged in the TV Video-In of your TV, the RCA white end is plugged into the TV Audio-In. To view pictures on TV set, the camera is required in Preview mode. If you pull out the TV cable, the digital camera will switch to the internal viewing screen display automatically.

Caution: The last picture taken will be the first to appear and will include a display of the total number of pictures stored and the number of this frame. Example: 0024/0036 is the 24th picture of a total of 36 pictures.

B-1-3 Clean Screen for Viewing

During viewing enlarged 1:1 images or videos, press DISPLAY key to clear the On Screen Information for a clean screen. It is a toggled function.

B-1-4 Slide Show for Viewing

During viewing enlarged 1:1 images or videos, press SHOT key to enable the **Slide Show.** Press MENU to stop during the function being processing. It will quit till to the last image automatically.

B-1-5 Digital Zoom

Whenever in the live display mode or viewing a full size picture at Preview mode, press the UP key to Zoom In and the DOWN key to Zoom Out for a **closer shoot manually** or see more details when enjoying an image.

B-1-6 Pan after Zoom

After Zoom-In, you can Pan to a direction to view the details of image by pressing either 4 directional keys.

B-2 Change Camera Preview Setting

When you are in Preview mode, press the MENU key to display the menu with 4 titles.

1. Erase Mode
   a. Exit
   One (Delete One photo)
   All (Delete All items except protected items)
   d. Format(Delete Every things in disk)
   Protect (Protect an image /video)
   Date / Time
   Exit
   Set
   Stamp ON/OFF (Same as Live View)
   TV Out
   Exit
   b. NTSC (Same as Live View)
   PAL
   USB
   Exit
   MSDC (Default for all users to down pictures at any Window platform)
   SIDC (Only for Win-XP user to download)

B-2-1 Deleting Photos

Press MENU key under the preview mode, then highlight deletion of Single or All photos from the Erase Title. Press MENU key to confirm deletion.

B-2-2 Protect an Image or Video

During viewing an image or video which you would like to retain in the memory without wash-out by delete processing, press MENU and highlight the PROTECT option once. Then a small lock icon on the left top corner of current image to show it is protected already. Repeat the same processing to unlock it.

All of protected items will not be deleted except formatting

B-2-3 Format

After proceed this function, all files in the entire card and internal flash memory will be removed completely. Be careful to save the files to PC before you try to do it.

B-2-4 TV-OUT

It is used to define what TV system is set for matching your TV set.

Caution: In case your TV is out of options of the camera listing, you have to change your TV set for **NTSC** before connecting a cable to TV set to avoid an image is always scrolling up or down on TV screen..

B-2-5 USB

This option is defined which an user interface method will be chosen for down loading files to PC. There is no need to change the default "**MSDC**" which already compatible for most users.

Caution: Before use the USB for down loading images while it is the first time to build a connection with your PC, a proper driver in the attached CD ROM is required to be installed firstly. See the paragraph below: ***"4- Installing Driver"***

C. VOICE MEMO Mode

The camera provide a good feature for user who would like to record a voice message at anytime, anywhere against something like a trail scene with a details description;

To do for a recording, you must turn ON the camera, then enter to the **Voice REC Mode** by pressing SOUND key. After finished operation with any voice options, remember to switch back to the previous camera stage mode by pressing SOUND again.

C-1 Record: Press SHOT key once for starting a voice recording. Then, a stop-watch start to count a time of the current recording. Press SHOT again to stop this recording and a rest of memory on the top left corner will renew immediately.

C-2 Play-back: Press PREVIEW key to the Play-Back page, you will see the last message is highlighted. You can rewind to a previous desired voice memo by UP and use DOWN key to the newer of voice list. Press SHOT key to play back the desired message.

C-3 Options During Playing-Back:

You can perform some options according to the signs on the bottom of screen during playing –back a voice memo like skip to the previous and next; repeat to play the current voice; quit to main menu.

C-4 DELETE ONE: Select a desired voice memo from the entire list, press MENU key to bring up the Erase Title. Highlight the option "**Delete One**" then press MENU to delete it. The total message will be renew instantly in the Play-Back page.

C-5 DELETE ALL: In the Play-Back page, press MENU key and highlight for "Deleting ALL". Press MENU key to remove all memos at once.

4 Installing Driver / Down Load Image / FW Upgrade

Once the first time that you connect the camera to computer, PC will detect a new USB device has been connected and try to looking for a driver. So that, you are required to run the attached CD-ROM for installing a proper driver firstly before connecting USB cable. Follow the instructions to complete the driver and software installation.

4-1 Installing USB Driver

Since the CD-Rom is inserted, an auto-run will show a pop up installation menu. If your computer does not run the setup program automatically, please run "SETUP" file under root directory of the CD-Rom. Then, click the DRIVER button on the pop up window. Follow the instruction until to complete itself.

Caution: Every times you want to view or down load images, it is required to re-boot the device before proceeding when you just terminate a scouting mission.

4-2 Installing Photo Editing Software

There are two simple photo / video editing software for entry level user. You may skip this option and exit directly if you already have other existing or better software for viewing the pictures or videos.

- Insert the installation CD. Click " Photo Express " Button on the Welcome Screen.
  - Choose the operation language which you need.
  - Install the software according to hints.
  - Restart your PC.

4-3 Downloading photos/ Movies to your computer

- Be sure the driver has been installed successfully. Press CAM-PW to turn the camera ON, then press PREVIEW to view an image.
- Connect your computer and the camera by an attached USB cable.
  - A pop up to show the mobile hard disk which is assigned for the removable device. Click into the proper directory to see all files inside.
  - For example: X:\DCIM\100IMAGE\ for Image and Video files. X:\MP3\ for Voice Memo files.

4-4 Firmware Upgrade / PC-CAM

- The camera provides an option that user can able to upgrade with the newest Firmware if need. This processing is required the camera is turned ON for the Live View mode and a specified FW file offered by your dealer ; distributor or down load from the manufacturer's web-site. You have to run the Upgrade program firstly then plug in the USB to camera vs PC. The screen will show "**PC-CAM**", follow the instructions in

the pop-up window to do. Reboot the device to finish the upgrade processing. If you are not ready to upgrade with any new Firmware, your current mode is PC-CAM mode which the camera does become a typical PC camera at this mode.

5 USING SD CARD

The camera has built-in with 32Mb internal flash memory. Therefore, the camera can capture for some images or videos immediately even no a SD card (not included) in the slot. In fact, a 2GB SD card is recommended to increase more storage capacity that allow more than a few thousands of pictures to be saved when you will leave it in the field. If you have two SD cards and a card reader, it is very good for you that one could be left in the camera and the other one at home for backing-up after viewing and downloading. With most of experience to use a 2GB SD card, it can takes up to 3,700 3MP pictures or 5,100 10 seconds Videos with a 2GB SD card generally.

Caution: Be sure the Main PW Switch is OFF before replacing a SD card in order to minimize a risk to damage your SD card or loss data partially. This device does support up to 2GB SD card. Also, before using a blank new SD card or used in other cameras, it is always suggested to format it before usage.

Important: If a SD card can not be inserted smoothly, you must retract it and check if a direction of card is correct or not. Never force to push hardly with the SD. Most of cases with a problem with card usage were found that caused by an improper insertion.

6 MEMORY MANAGEMENT

In case either built-in or SD card memory is full, a memory FULL icon will be blinking on the scouting LCD. The camera will stop to capture. But PIR will still sensing events in order to let you still know how many total events to be recorded even without images. Replace an empty SD card or delete some or all contents then reboot the unit to refresh the memory status. After clear for free memory, remember to re-boot the device by the main PW switch. The camera will not resume to work without rebooting the system.

7 MOUNTING DEVICE

Before starting to put this camera in the field for scouting game, the camera should be mounted in a certain place properly or on a tree whose diameter will not be less than 15cm and located not higher than 1M with your desired mounting method that following the installation method as shown as below.

7-1 Belt Mount: This belt is attached in the packing. See the Fig.5

Fig. 5

8 USE LENS HOOD

This lens hood is come with the packing that is used for installing on the camera lens to prevent sun light reflection too much into the camera sensor and snow stacked in front of the lens in winter.

10 TROUBLESHOOTING GUIDE

10-1 No animal showing in some pictures:

- Check if the unit is pointed the direction where the sun is rising or sunset that the sensor might be triggered.
- The PIR sensor may detect an animal through vegetation out of view from the camera.
- If the animal was moving quickly, camera may not capture it in time while an animal still staying in the zone.
- Make sure that the unit was mounted on a steady tree or other place that does not wobble.

10-2 The Camera In-Use light is remaining ON, but the camera does not respond:

- The camera may be time-out and shut down automatically. Repeat to press the CAM-PW to resume the camera ON.
- Battery may be too low that could not support the camera staying ON. Replace with 4pcs D type blank new batteries.
- The Trigger Time is set on the FAST mode. You have to switch OFF the main PW and back ON after you try to operate with the camera.

10-3 The CAM-PW key-in does not respond:

You may attempt to turn the camera ON too quickly after the main power ON. Wait for about 10 seconds until the back light of scouting LCD goes to OFF. Then try again.

10-4 Reset the Unit out of System Halt:

In case the event counter does stop to respond for any sensing or key-in manually, or you notice, the LCD is always blank even the Power switch is ON, the system may halt already to cause such problem. Remove all batteries out of compartment for more than 10 minutes in order to reset the unit. All pictures will be retained in the memory and the unit will resume to the factory default settings. You will need to reprogram with your desired scouting parameters before use.

10-5 The Light in the front of the housing does remain ON:

- The unit just is set for Walk-Test mode. The light remains ON steady within 60s warming up period.
- The CAM-PW is not OFF. Remember to turn camera OFF after finishing for camera usage.

10-6 How can I get more pictures against a smaller animals?

Try to mount the camera lower at 0.5~0.7 metre height on a tree.

10-7 It seems camera did not capture any image or video at night, it can still capture at day:

Check the camera batteries if they are bad already. Try to replace with new batteries to test again

10-8 Why are every things displayed on TV mode without color or scrolling?

It might be caused by improper setting of TV signal format. Try to change for another setting like TV-PAL <> TV-NTSC. If it is still fail, you have to change your TV set to be the NTSC to match the signal protocol with the camera.

10-9 Why does the battery icon still show BLANK after replaced with new batteries already?

You must re-boot the device by the main PW switch every times you did replace with new batteries.

10-10 Why does the memory full icon still blinking rapidly after deleted files from SD card already?

You must re-boot the device by the main PW switch every times you did clear memory or replace with a new SD card.

10-11 Detection distance seems too short

-.Be sure the Sensor Gain control is at Max.
- Environment may too hot in summer time

10-12 An image taken less than 2 meter is not clear

Yes. The focus of this trail monitor is preset for take a picture over 3 metres

10-13 Why does the camera always halt when push CAM-PW every times? I noticed a small light did remain ON always.

You might use a SD card larger than 2G which the camera does not support. Please use 2GB SD or less.